

COUPLER WITH IMPROVED PIN LOCK

Abstract of the Disclosure

A coupler includes a body having first and second recesses that are adapted for respectively receiving first and second associated pins of an associated bucket or other implement. A wedge lock member is movably secured to the body and is movable between a retracted position one or more extended positions. The wedge lock member at least partially obstructs the second recess when it is moved to an extended position so as to capture a second associated pin in the second recess. An actuator is operably coupled to the wedge lock member and is operable to move the wedge lock member between its retracted and extended positions. A supplemental lock arm member is movably secured to the coupler body and is movable between an unlocked position and one or more locked positions. When the supplemental lock arm member is in its locked position, it engages and prevents movement of the lock member from the one or more extended positions to the retracted position. The supplemental lock arm member is movable from its locked position to its unlocked position in response to at least substantial full curling of the coupler body relative to an associated arm to which the coupler body is connected.

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